

NOTES

BARRIER RAIL IN A CONTINUOUS UNIT SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THE UNIT HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 20.7 MPa.

WHEN COMPRESSION JOINT SEAL OR EVAZOTE JOINT SEAL IS REQUIRED, THE JOINT IN THE DECK SHALL BE SAWED PRIOR TO THE CASTING OF BARRIER RAIL.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

~#16 ``B"BARS (TYP.)

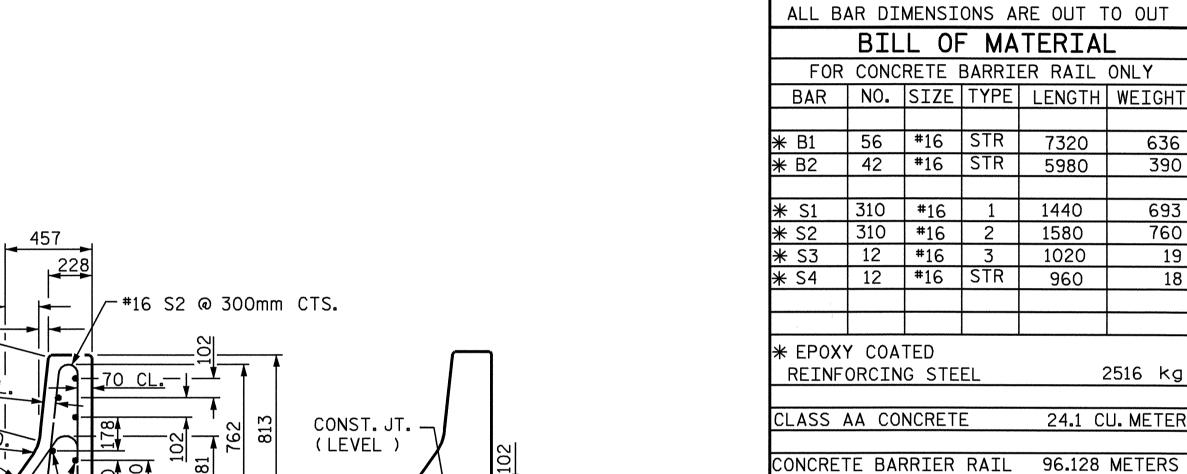
38 EXT.

300

SECTION THRU RAIL

THE #16 S3 AND #16 S4 BARS SHALL BE INSTALLED, USING AN ADHESIVE ANCHORING SYSTEM, AFTER SAWING THE JOINT. FOR ADHESIVELY ANCHORED ANCHOR BOLTS OR DOWELS, SEE SPECIAL PROVISIONS. THE YIELD LOAD FOR THE #16 S3 AND #16 S4 BARS IS 82.7 kN. FIELD TESTING FOR THE ADHESIVE BONDING SYSTEM IS NOT REQUIRED.

VERTICAL GROOVED CONTRACTION JOINTS, 12mm IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MIDPOINT OF BARRIER RAIL SEGMENTS LESS THAN 6.1m IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 3.5m IN LENGTH.



SECTION S-S

AT DAM IN OPEN JOINT (THIS IS TO BE USED ONLY WHEN SLIP FORM IS USED)

PROJECT NO. R-2206C
LINCOLN-CATAWBA COUNTY
STATION: 223+03.850 -L-

SEAL 022516 DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

BAR TYPES

318

214

203

CONCRETE BARRIER RAIL

LEFT LANE

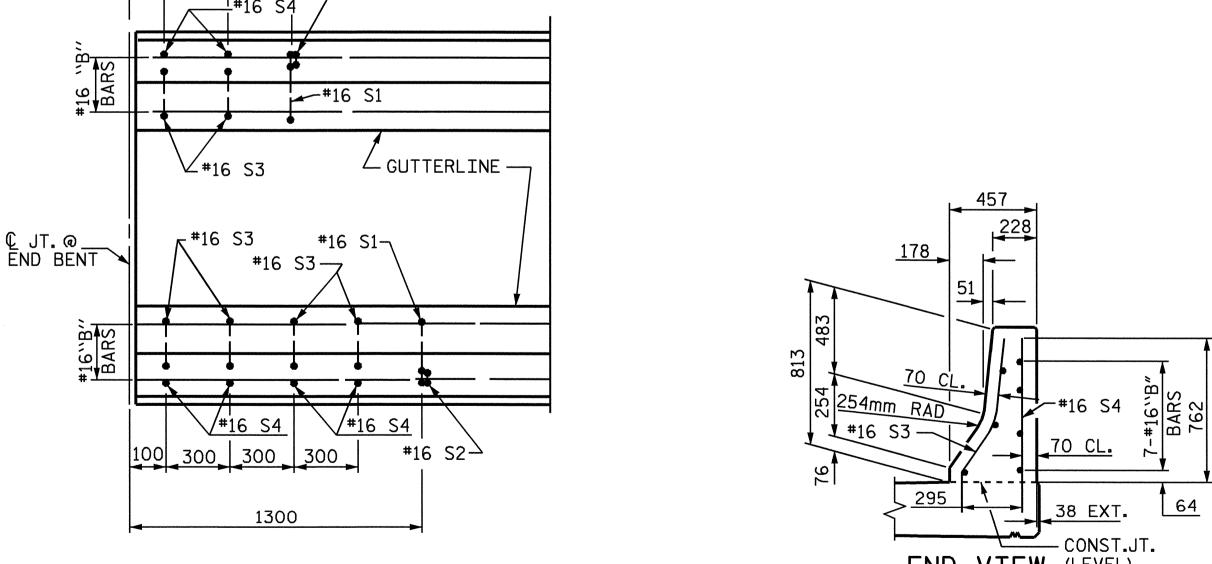
REVISIONS

BY: DATE: NO. BY: DATE: S-145

TOTAL SHEETS

374

PLAN OF BARRIER RAIL **16 S1 @ 300mm CTS. **18 S1 @ 300mm CTS. **18 S1 @ 300mm CTS. **18 S1 @ 300mm CTS.



END OF RAIL DETAILS

FOR ADHESIVE ANCHORING AT SAWED JOINTS

C 13mm EXP.JT.MAT'L HELD IN PLACE WITH GALVANIZED NAILS.
(NOTE: OMIT EXP.JT.MAT'L. WHEN SLIP FORM IS USED.)

CHAMFER

19

CHAMFER

19

CHAMFER

19

CHAMFER

19

CONST.

JOINT

CONST. JT

2-25mm △ GROOVES

(LEVEL)

IN SLAB OVERHANG

BEAM BOLSTER

ELEVATION AT EXPANSION JOINTS

BARRIER RAIL DETAILS

ASSEMBLED BY : PE	GGY ADK	INS DATE	: 12-03
CHECKED BY : T			
DRAWN BY : ARB	5/87 RE	EV. 8/16/99	RWW/LES
CHECKED BY : SJD	a can IRE	EV. 10/17/00	
	- K	EV. 5/7/03	RWW/JTE

#16 S2 —7

PLAN

700